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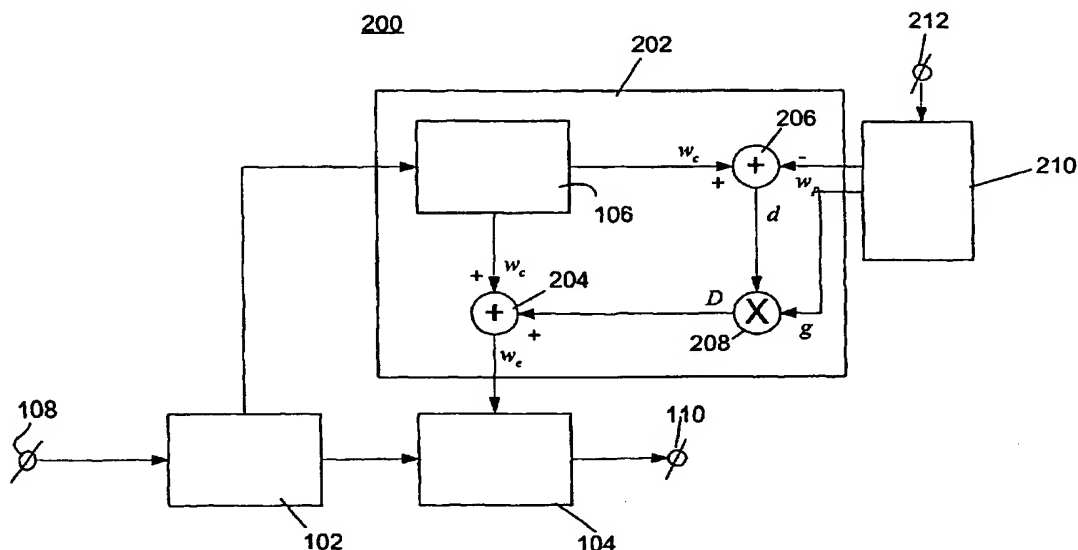
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**Declaration under Rule 4.17:**

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE,

[Continued on next page]

(54) Title: SPATIAL IMAGE CONVERSION



(57) Abstract: The invention relates to an image conversion unit (200) for converting an input image with a first resolution into an output image with a second resolution being different from the first resolution. The image conversion unit (200) comprises: a coefficient-determining means (106) for determining a first filter coefficient on basis of pixel values of a group of pixels of the first image; combining means (204-210) for combining the first filter coefficient with a predetermined filter coefficient into a final filter coefficient; and an adaptive filtering means (104) for computing a second pixel value of the second image on basis of a first one of the pixel values of the first image and the final filter coefficient.



EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT,

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## INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DI FEDERICO R ET AL: "Interpolation of images containing text for digital displays" PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING SPIE-INT. SOC. OPT. ENG USA, vol. 5014, 23 January 2003 (2003-01-23), pages 42-53, XP002294003 ISSN: 0277-786X page 45, paragraph 1; figure 2 abstract  ----- -/--	1,9,12, 13



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>REED A ET AL: "Adaptive interpolation" FINAL PROGRAM AND PROCEEDINGS OF THE THIRD IS&amp;T/SID COLOR IMAGING CONFERENCE. COLOR SCIENCE, SYSTEMS AND APPLICATIONS SOC. IMAGING SCI. &amp; TECHNOL SPRINGFIELD, VA, USA, 10 November 1995 (1995-11-10), pages 143-148, XP009035631 ISBN: 0-89208-188-0 page 143, right-hand column, paragraph 4 -----</p>	1,9,12, 13
A	<p>ZHAO M ET AL: "TOWARDS AN OVERVIEW OF SPATIAL UP-CONVERSION TECHNIQUES" PROCEEDINGS OF ISCE, XX, XX, 24 September 2002 (2002-09-24), pages 23-26, XP008027127 cited in the application -----</p>	
A	<p>ALLEBACH J ET AL: "Edge-directed interpolation" PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON IMAGE PROCESSING (ICIP) LAUSANNE, SEPT. 16 - 19, 1996, NEW YORK, IEEE, US, vol. VOL. 1, 16 September 1996 (1996-09-16), pages 707-710, XP010202492 ISBN: 0-7803-3259-8 -----</p>	
A	<p>QING WANG ET AL: "A new edge-directed image expansion scheme" PROCEEDINGS 2001 INTERNATIONAL CONFERENCE ON IMAGE PROCESSING. ICIP 2001. THESSALONIKI, GREECE, OCT. 7 - 10, 2001, INTERNATIONAL CONFERENCE ON IMAGE PROCESSING, NEW YORK, NY : IEEE, US, vol. VOL. 1 OF 3. CONF. 8, 7 October 2001 (2001-10-07), pages 899-902, XP010563496 ISBN: 0-7803-6725-1 -----</p>	